

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) Data arrangement for dental-care environment, which comprises at least one dental-care-related device (U, T) and a data system (S), wherein the dental-care-related device is a dental unit (U) configured to control operation of at least one dental-care instrument (X), and wherein

a data transmission communication has been arranged between the dental-care-related device unit (U, T) and the data system (S); and wherein

~~the dental-care-related device (U, T)~~ arrangement comprises

a means for identifying a predetermined event, the predetermined event being taking said at least one dental-care instrument (X) to use, and

a means for transmitting information related to said event to the data system (S) as a response to identifying the predetermined event, and

a means for storing said information in the data system (S) item-specifically.

2. (Currently Amended) Arrangement according to claim 1, wherein the predetermined event is followed by a treatment event the target of which being a patient; and the means for storing have been arranged to store information related to the treatment event patient-specifically.

3. (Currently Amended) Arrangement according to claim 1, wherein ~~the predetermined event is a treatment event, the target of which~~ the treatment event being is a certain tooth and/or a certain tooth surface of a patient.

4. (Currently Amended) Arrangement according to claim 1, wherein the predetermined event is followed by related to operating said at least one dental-care instruments (X); and the means for storing have been arranged to store said information instrument-specifically.

5. (Canceled)

6. (Currently Amended) Arrangement according to claim 1, wherein the dental-care-related device unit (U,-F) comprises means for receiving information related to athe predetermined event.
7. (Canceled)
8. (Canceled)
9. (Currently Amended) Arrangement according to claim 1, wherein the information related to the predetermined event comprises at least one of the following data: data of the type of dental-care instrument (X), identification data of the dental-care instrument (X), maintenance status data of the dental-care instrument (X), sterilisation status data of the dental-care instrument (X), point of time of sterilisation of the dental-care instrument (X), data of connecting the dental-care instrument (X) to the dental unit (U), data of taking the dental-care instrument (X) to use in connection with a treatment event, data of the point of time the dental-care instrument (X) was taken to use, data of operation parameter values of the dental-care instrument (X) during the dental treatment event comprising data of operation time, rotation speed and/or power used, data of disconnecting the dental-care instrument (X) from the dental unit (U), data of disconnection time of the dental-care instrument (X) from the dental unit (U), ~~data of starting and ending the sterilisation treatment of the dental-care instrument (X), data of the starting and ending times of the sterilisation treatment of the dental-care instrument (X), data of material (Y) to be used in the treatment, identification data of the package of material (Y), data of the point of time of arrival of the material package (Y) to the clinic, identification data of the manufacturing lot of the material package (Y), data of used-by date of the material package (Y), data of opening the material package (Y), data of the point of time of opening the material package (Y), data of the point of time of use of material (Y), data of the amount of material (Y) used, data of the treatment plan of the patient, data of performing a certain treatment procedure, data of the point of time of performance of a certain treatment procedure.~~
10. (Previously Presented) Arrangement according to claim 1, wherein the means for identifying the predetermined event comprise an electronic reader device.

11. (Canceled)

12. (Canceled)

13. (Currently Amended) Arrangement according to claim 1, wherein the data system (S) comprising also a user interface and a display means connected with it; and the data system (S) is configured for transmitting to the display means information stored in the data system (S) and/or messages based on said information.

14. (Currently Amended) Arrangement according to claim 1, wherein the data system (S) is configured for transmitting to the ~~dental-care-related-device unit~~ (U,T) control data relating to ~~the a treatment plan and/or at least one dental care instruments (X)~~; and the ~~dental-care-related-device unit~~ (U,T) has been arranged to be controlled according to said control data as a response to receiving said control data.

15. (Currently Amended) Method for maintaining an electronic dental-care register for a dental-care environment in a data arrangement, the dental-care environment comprising at least one ~~dental-care-related-device unit~~ (U,T) configured to control operation of at least one dental-care instrument (X), and a data system (S), wherein a data transmission communication is formed between the ~~dental-care-related-device unit~~ (U,T) and the data system (S); a predetermined event is identified (~~2-1, 3-1, 4-2, 4-5, 4-9~~) in the ~~dental-care-related-device unit~~ (U,T), the predetermined event being taking said at least one dental-care instrument (X) to use; information related to the identified event is sent (~~2-2, 3-5, 4-3, 4-6, 4-10~~) from the ~~dental-care-related-device unit~~ (U,T) to the data system (S); said information is received (~~2-3, 3-6, 4-4, 4-7, 4-11~~) in the data system (S); and said information is stored (~~2-3, 3-6, 4-4, 4-7, 4-11~~) in the data system (S) item-specifically.

16. (Currently Amended) Method according to claim 15, wherein

the predetermined event is followed by an operation targeted to a patient, a patient's tooth and/or its certain surface; and
the information related to ~~the event~~ said operation is stored patient-specifically.

17. (Currently Amended) Method according to claim 15, wherein
the predetermined event is ~~addressed to a~~ followed by operating the at least one dental-care treatment-instrument (X); and
the information related to ~~the event~~ operation of said at least instrument is stored instrument-specifically.

18. (Canceled)

19. (Currently Amended) Method according to claim 15, wherein
an individual instrument is identified;
the identification data is compared with the a treatment plan of the a patient who is the object of the a treatment procedure and/or with the status data of the individual instrument in question; it is detected if instrument (X) is unsterilised or does not correspond the treatment plan; and the said detection is expressed (5-6) as a response to detecting an unsterilised instrument or an instrument not corresponding the treatment plan.

20. (Currently Amended) Method according to claim 15, wherein information related to the predetermined event is stored in ~~the a patient database and/or stock control database~~ of the dental clinic data system (S).

21. (Currently Amended) Method according to claim 15, wherein
~~taking an instrument to use is identified as a predetermined event;~~
as a response to identifying taking the at least one dental-care instrument (X) in use, data of taking the said instrument (X) to use is transmitted and stored ~~(5-2)~~ in the data system (S)
instrument-specifically and patient-specifically,
~~taking material in use is identified as a predetermined event;~~

~~as a response to identifying taking the material in use, data of taking the material to use is transmitted and stored (5-18) in the data system material-specifically and patient-specifically; a performed dental procedure is identified as a predetermined event; and further~~
as a response to identifying the performed dental procedure, data of the performed dental procedure performed by said instrument (X) is transmitted and stored (5-15, 5-20) in the data system patient-specifically.

22. (Canceled)

23. (Currently Amended) Dental-care-related device for performing dental-care events in a dental-care environment, wherein it comprises
means for forming a data transmission communication with a data system (S) for the dental-care environment;
means for identifying a predetermined event; and
means for transmitting information related to the identified event to the data system (S), wherein the dental-care-related device includes a dental unit (U) configured to control operation of at least one dental-care instrument (X) and the predetermined event is taking said at least one dental-care instrument (X) to use, and wherein the dental-care related device further comprises means for storing information in the data system (S) item-specifically.

24. (Canceled)

25. (Currently Amended) Software product ~~in for~~ a data arrangement for dental-care environment, the dental-care environment comprising at least one device (U, T) related to dental treatment and a data system (S), which software product comprises a program stored on program storage means and being readable by a computer, wherein it comprises
a first routine by which a data transmission communication between the dental-care-related device (U, T) and the data system (S) is formed;
a second routine by which a predetermined event is identified in the dental-care-related device (U, T); and

a third routine by which information related to the identified event is transmitted from the dental-care-related device (U, T) to the data system (S),

wherein at least one of the devices (U, T) related to dental treatment is a dental unit (U) configured to control operation of at least one dental-care instrument (X), and the predetermined event is taking said at least one dental-care instrument (X) to use.

26. (Currently Amended) Software product according to claim 25, wherein said program comprises a routine for running a method for maintaining an electronic dental-care register for a dental-care environment in a data arrangement, the dental-care environment comprising at least one ~~dental-care-related device unit~~ (U,T) configured to control operation of at least one dental-care instrument (X), and a data system (S), wherein

a data transmission communication is formed between the ~~dental-care-related device unit~~ (U,T) and the data system (S);

a predetermined event is identified ~~(2-1, 3-1, 4-2, 4-5, 4-9)~~ in the ~~dental-care-related device unit~~ (U,T), the predetermined event being taking said at least one dental-care instrument (X) to use; information related to the identified event is sent ~~(2-2, 3-5, 4-3, 4-6, 4-10)~~ from the ~~dental-care-related device unit~~ (U,T) to the data system (S);

said information is received ~~(2-3, 3-6, 4-4, 4-7, 4-11)~~ in the data system (S); and

said information is stored ~~(2-3, 3-6, 4-4, 4-7, 4-11)~~ in the data system (S) item-specifically.

27. (Currently Amended) Software product in a data arrangement for dental-care environment, the dental-care environment comprising at least one device (U, T) related to dental treatment and a data system (S), which software product comprises a program stored on program storage means and being readable by a computer, wherein it comprises

a first routine by which information related to a predetermined event is received in the data system from the dental-care-related device (U, T); and

a second routine by which said information is stored in the data system (S) so that it may be linked to the object of the event,

wherein at least one of the devices (U, T) related to dental treatment is a dental unit (U) configured to control operation of at least one dental-care instrument (X), and the predetermined event is taking said at least one dental-care instrument (X) to use.

28. (Currently Amended) Software product according to claim 27, wherein said program comprises a routine for running a method for maintaining an electronic dental-care register for a dental-care environment in a data arrangement, the dental-care environment comprising at least one ~~dental-care-related device unit~~ (U;T) configured to control operation of at least one dental-care instrument (X), and a data system (S), wherein a data transmission communication is formed between the ~~dental-care-related device unit~~ (U;T) and the data system (S); a predetermined event is identified (~~2-1, 3-1, 4-2, 4-5, 4-9~~) in the ~~dental-care-related device unit~~ (U;T), the predetermined event being taking said at least one dental-care instrument (X) to use; information related to the identified event is sent (~~2-2, 3-5, 4-3, 4-6, 4-10~~) from the ~~dental-care-related device unit~~ (U;T) to the data system (S); said information is received (~~2-3, 3-6, 4-4, 4-7, 4-11~~) in the data system (S); and said information is stored (~~2-3, 3-6, 4-4, 4-7, 4-11~~) in the data system (S) item-specifically.